



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org

## **Certification ID: WFA129996**

## **Product Info**

Date of Certification July 8, 2024

**Company** ZTE Corporation

Product Name XGS-PON ONT

Product Model Variant ZXHN F8748Q V2.0

Model Number ZXHN F8748Q V2.0

**Category** Routers

**Sub-category** Access Point for Home or Small Office (Wireless Router)

## **Summary of Certifications**

CLASSIFICATION CERTIFICATION

Access Wi-Fi Protected Setup™

Alternative topologies Wi-Fi EasyMesh™

Network management WMM®

Wi-Fi Agile Multiband™

**Security** Protected Management Frames

WPA2<sup>™</sup>-Personal 2021-01 WPA3<sup>™</sup>-Personal 2023-12 Wi-Fi Enhanced Open<sup>™</sup> 2023-12

Wi-Fi (MAC/PHY) 2.4 GHz Spectrum Capabilities

5 GHz Spectrum Capabilities6 GHz Spectrum CapabilitiesWi-Fi CERTIFIED 6® Release 2

Wi-Fi CERTIFIED 7™ Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n



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# Role: Access Point Page 2 of 4

## Wi-Fi Components

## Wi-Fi Component Operating System

Linux

## Wi-Fi Component Firmware

V1.0

## **RF Architecture**

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	4	4
5 GHz	4	4
6 GHz	4	4

### Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz

#### **5 GHz Spectrum Capabilities**

20 MHz Channel Width in 5 GHz

40 MHz Channel Width in 5 GHz

80 MHz Channel Width in 5 GHz

160 MHz Channel Width in 5 GHz

#### 6 GHz Spectrum Capabilities

20 MHz Channel Width in 6 GHz

40 MHz Channel Width in 6 GHz

80 MHz Channel Width in 6 GHz

160 MHz Channel Width in 6 GHz

320 MHz channel width in 6 GHz

## **Protected Management Frames**

**WMM®** 

### WPA2™-Personal 2021-01

## WPA3™-Personal 2023-12

AKM 24

Beacon Protection

## Wi-Fi Agile Multiband™

## Wi-Fi CERTIFIED 6® Release 2

4 antenna support

DL MU-MIMO

DL OFDMA

Individual Target Wake Time

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

Operating mode subfield in A-Control field

Operating mode indication

Operating mode UL MU Rx

SU beamformer



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#### Wi-Fi CERTIFIED 6® Release 2 (continued)

SU-MIMO

**UL OFDMA** 

Co-located BSS

Wi-Fi 6 Release 2 features

**UL MU-MIMO** 

Dynamic MU SMPS

#### Wi-Fi CERTIFIED 7™

BSS critical update

DL MU-MIMO

DL OFDMA

Dynamic MU SMPS

EMLSR (Enhanced Multilink Single-Radio)

LDPC Rx

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

MCS 12-13 Rx

MCS 12-13 Tx

Multi-RU

Operating mode indication

Static puncturing

STR (Simultaneous Transmit and Receive)

SU-MIMO

Triggered uplink access optimization

UL MU-MIMO

UL OFDMA

## Wi-Fi CERTIFIED™ a

Wi-Fi CERTIFIED™ ac

## Wi-Fi CERTIFIED™ ac (continued)

DL MU-MIMO

LDPC Rx

LDPC Tx

MCS 8-9 Rx

Short Guard Interval

**STBC** 

SU beamformer

#### Wi-Fi CERTIFIED™ b

## Wi-Fi CERTIFIED™ g

## Wi-Fi CERTIFIED™ n

A-MPDU Tx

**OBSS on Extension Channel** 

**Short Guard Interval** 

STBC

## Wi-Fi Enhanced Open™ 2023-12

## Wi-Fi Protected Setup™

PIN

Pushbutton



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Wi-Fi Components	
Wi-Fi Component Operating System	
Linux	
Certifications	
Wi-Fi EasyMesh™	